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**Patent** [19]

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[54] **AIR CLEANING DEVICE FOR VEHICLE**

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[51] Int. Cl.<sup>6</sup> B60H00306 ; B01D05386; B01J03502[57] **ABSTRACT**

**PROBLEM TO BE SOLVED:** To constitute a part of a filter or the whole filter with a photocatalyst member which is activated by the light and to apply the sunlight to the filter.

**SOLUTION:** This air cleaning device is formed in such manner that the outside air is taken into a vehicle surrounding a cockpit through a filter 3. On this occasion, a part of a filter 3 (3A, 3B, 3C) or the whole filter is constituted with a photocatalyst member (for example, titanium oxide) which is activated by light. This filter 3 (3A, 3B, 3C) is mounted on a roof 4 of the vehicle, and an upper roof 4 (4A) of the filter 3 (3A, 3B, 3C) is made of a transparent plastic 5.

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